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Programs Performance Progress Report 2007-2015

Introduction

AGRA is an African-led alliance focused on putting smallholder farmers at the center of the continent's growing economy by transforming agriculture from a solitary struggle to survive into farming as a business that thrives. It was established to catalyze the transformation of smallholder agriculture into a highly productive, efficient, sustainable and competitive system, while also protecting the natural resource base on which agriculture depends. As the sector that employs the majority of Africa's people, nearly all of them small-scale farmers, AGRA recognizes that developing smallholder agriculture into a productive, efficient, and sustainable system is essential to ensuring food security, lifting millions out of poverty, and driving equitable growth across the continent.

Over the past 9 years, AGRA and its partners have worked across 18 sub-Saharan countries to deliver a set of solutions that have reached 18.2 million farm families and thousands of local, African agri-businesses. Together, the alliance has developed many of the tools and systems required for an African Green Revolution: locally-adapted seeds and other technologies to enable a step-change in yields, new delivery channels that create access to new technologies among farmers, new and growing private seed and fertilizer companies, dense networks of private agrodealers, enhanced post-harvest and financial tools that are more accessible to farmers and businesses, stronger farmer organizations and markets, a new generation of African agricultural leaders, and an improved policy environment that enables the agricultural sector to flourish. AGRA has done this through partnerships with international and local institutions, governments, businesses and communities of smallholder farmers which have changed the face of African agriculture, and attracted many more investors into the sector.

AGRA takes an integrated value chain approach in its work. We address a range of interrelated challenges faced by smallholder farmers all along the agricultural value chain – beginning with improving the efficiency and effectiveness of input markets for seed and fertilizers, but also improving

farm-level productivity, post- harvest handling, and access to financial and farm output markets. We also work with specific countries when asked to support the development of better agricultural policies (see Figure 1).

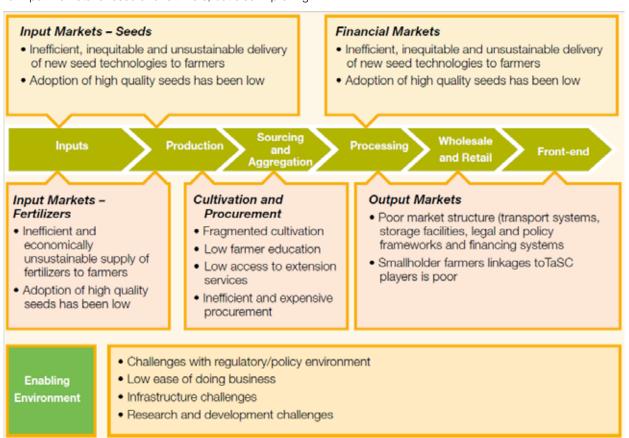


Figure 1. The interrelated challenges affecting the productivity of smallholder farmers along the agricultural value chain and in the policy arena require AGRA, its grantees and its partners to address constraints in coordinated and integrated ways.

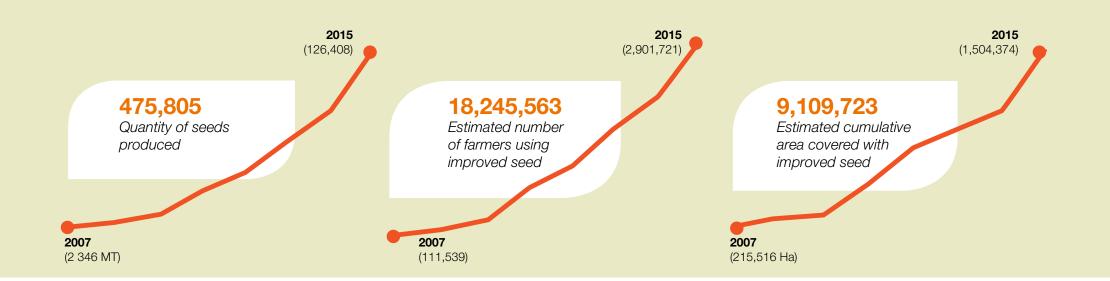


AGRA Achievements

Intermediate Outcomes

An estimated 18.2 million smallholder farmers in 17 African countries are now benefitting from improved seeds produced by AGRA-supported seed companies. Since its inception in 2007, AGRA has made significant investments in various

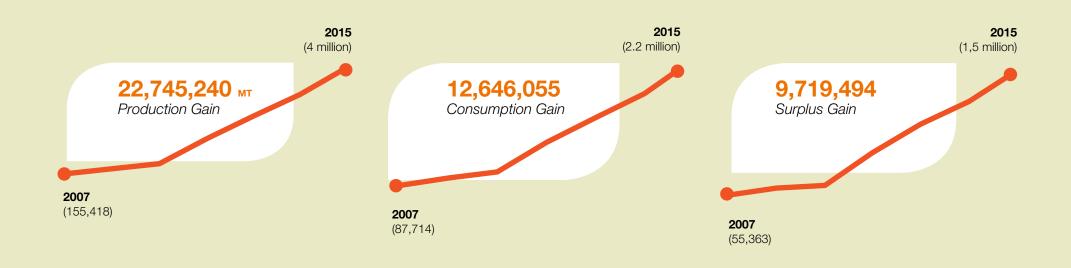
kinds of support to 101 local private seed companies to produce and sell improved seed varieties. In 2007, fewer than 10 seed companies were operating in all of sub-Saharan Africa (not including South Africa), producing less than 2,400 MT of certified seed. By the end of 2015, total production and sale of certified seed by AGRA-supported seed companies had risen to about 126,408 MT. Over the eight-year period, 2007-2015, an estimated 475,805 MT of improved seed have been produced and sold by AGRA-supported companies.



On average, the use of improved seed and agronomic practices enabled farmers to more than double their yields, leading to the production of an additional **4 million MT** of cereals, pulses, soybeans and groundnuts in 2015 alone. In

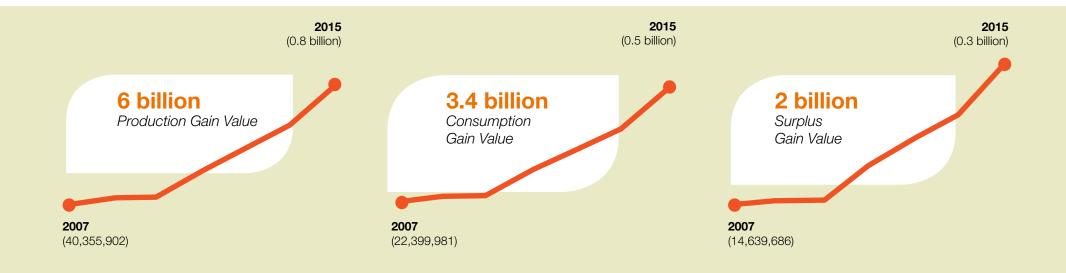
monetary terms, this represents about **US\$ 2.2 billion** in additional income for these farmers. Cumulatively, farmers have achieved a total increase in production of an estimated **22 million MT** by using improved seed varieties produced by AGRA-supported seed companies,

along with rising amounts of fertilizer. This extra production has provided smallholders with about **US\$ 5 billion** in additional income since AGRA began its work in 2007.



The increase in farm-level production and productivity has led to significant gains in direct household consumption, as well as marketable surpluses. In 2015, smallholder households produced about 3.4 million additional MT of cereals, pulses, soybeans and groundnuts for their own consumption, along with an estimated 1.5 million MT surplus for the market. Cumulatively, household consumption increased by some 12.6

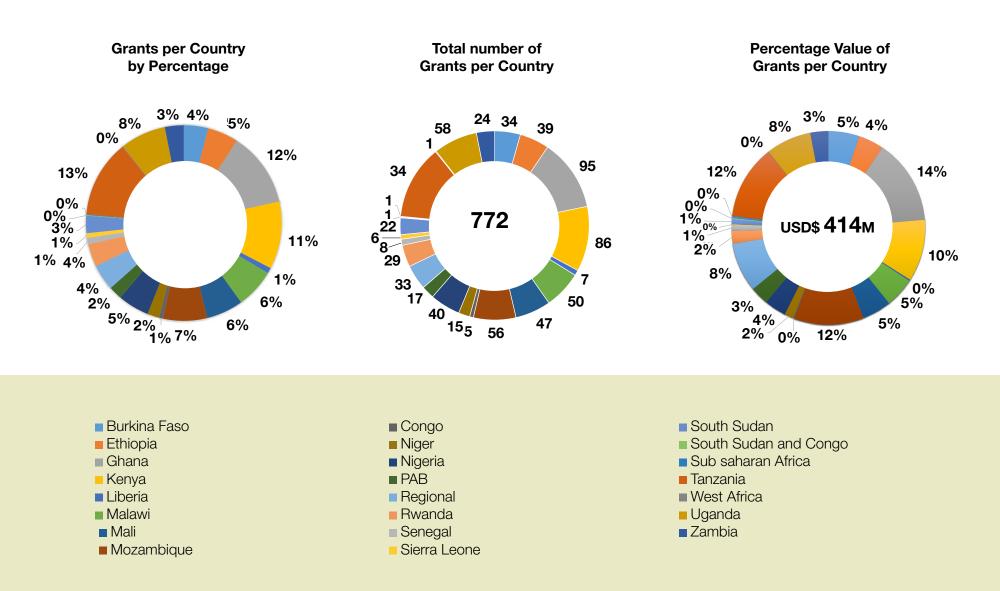
million MT, while the marketable surplus increased by about 9.7 million MT; these increases are valued at an estimated US\$ 3.4 billion and US\$ 2 billion, respectively.





Grants Summary

Since its inception, AGRA has funded 772 projects at a cost of US\$ 414 million. The following graphs show the distribution by country.





Achievements

Cummulative 2007-2015



Research Capacity **Building**

Research & **Development** **Input Production** & Distribution

Awareness Creation on Agriculture **Transformation**

4

Adoption

Production **Postharvest** & Marketing



152 PhDs funded in Crop Breeding

40 PhDs funded in agronomy

292 MScs funded in Crop Science

139 MScs funded in Soil Science

531 Varieties released **370** Varieties commercialized

3

101 Seed companies supported

475,805 MT of seed produced

38,482 Agrodealers trained

1.4M MT Inorganic fertilizer sold by the agrodealers

56,030 Lead farmers trained in ISFM

8,886 Extension agents trained in ISFM

17,129 FOs trained in ISFM

247 Lab technicians trained

653,594 Farmers trained on PHH, quality, storage and structured trading

4.98 million Farmers with knowledge on ISFM

599,281 Farmers trained in governance, group dynamics and leadership

1.7M Farmers using ISFM technologies

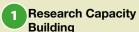
1.34M Ha cropped with ISFM technologies 550,386 MT Commodity aggregated at a value of US\$ 164M

496.589 Farmers linked to sell to SMEs

439.842 MT volume of commodity sold to SMEs at a value of US\$ 252M

686 Aggregation centres supported by AGRA

2015 Achievements



33 MScs funded in Crop Science 5 MScs funded in Soil Science

Research & Development

33 Varieties released 40 Varieties commercialized 3 Input Production & Distribution

10 Seed companies supported

126,408 MT of seed produced

2,887 Agrodealers trained **59,859 MT** inorganic fertilizer sold by the agrodealers

Awareness Creation on Agriculture Transformation

7,719 Lead farmers trained in ISFM

3,922 Extension agents trained on ISFM

721 FOs trained on ISFM

18 Lab technicians trained

131.410 Farmers trained on PHH, quality. storage and structured trading

249,773 Farmers with knowledge on ISFM

163,082 Farmers trained in governance, group dynamics and leadership

Adoption

107,713 Farmers using ISFM technologies 92,293 Ha cropped with ISFM technologies

Production Postharvest & Marketing

90,560 MT Commodity aggregated at a value of **US\$ 21.5M**

250.212 Farmers linked to sell to SMEs 144,419 MT Volume of commodity sold to SMEs at a value of US \$84.3M





Research Capacity Building Research & Development

Input Production & Distribution

Awareness
Creation on
Agriculture
Transformation

4

Adoption

Production
Postharvest
& Marketing



8 PhDs funded in Plant Breeding

3 PhDs funded in agronomy

15 MScs funded in Crop Science

12 MScs funded in Soil Science

4

17 Varieties released

6 Varieties commercialized

4 seed companies supported

3

23,072 MT of seed produced

1,379 Agro-dealers trained

115,323 MT Inorganic fertilizer sold by the agro-dealers

4,275 Lead farmers trained in ISFM

343 Extension agents trained in ISFM

2 Lab technicians trained in ISFM

930 FOs trained on ISFM

413,587 farmers with knowledge on ISFM

47,983 Farmers trained on PHH, quality, storage and structured trading

19,258 Farmers trained in governance, group dynamics and leadership

104,734 Farmers using ISFM technologies

86,295 Ha Cropped with ISFM technologies

9,849 MT Commodity aggregated at a value of **US\$ 1.9M**

2015 Achievements

Research Capacity Building

8 MSc graduates in Crop Breeding 2 MSc students supported in Crop Science (1) and Soil Science (1)

Research & Development

2 Varieties released (sorghum)

Input Production & Distribution

6,335 MT Volume of seed produced **1,219 MT** Inorganic fertilizer sold by AGRA supported agrodealers

Awareness Creation on Agriculture Transformation

805 Lead farmers trained in ISFM
10,067 Farmers trained on PHH, quality, storage and structured trading
1,075 Farmers with knowledge on ISFM
8,147 Farmers trained in governance, group dynamics and leadership

Adoption

739 Farmers using ISFM technologies **2,096 Ha** cropped with ISFM technologies

Production Postharvest & Marketing

1,169 MT Commodity aggregated at a value of **US\$ 0.34M**





Research **Capacity Building**

Research & **Development** **Input Production** & Distribution

3

Awareness Creation on Agriculture **Transformation**

4

Adoption

1

14 PhDs funded in Plant Breeding

3 PhDs funded in agronomy

37 MScs funded in Crop Science

12 MScs funded in Soil Science

18 Varieties released

8 Varieties commercialized

9 Seed companies supported

137,676 MT of seed produced

1,249 Agro-dealers trained

14,220 MT Inorganic fertilizer sold by the agro-dealers

2,642 Lead farmers trained in ISFM

1,918 Extension agents trained in ISFM

6 Lab technicians trained in plant and soil analysis

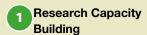
85,725 Farmers with knowledge on ISFM

5

53,027 Farmers using ISFM technologies

24,959 Ha Cropped with ISFM technologies

2015 Achievements



2 Phd graduates in Crop Breeding

Research & Development

5 varieties released

- Soybean (1)
- Faba bean (2)
- Sorghum (1)
- Maize (1)

Input Production & Distribution

48,187 MT Volume of seed produced **14,120 MT** Inorganic fertilizer sold by AGRA supported agrodealers

Awareness Creation on **Agriculture Transformation**

1.253 Lead farmers trained in ISFM 1,754 Extension agents trained on ISFM 251 FOs trained on ISFM 33,925 Farmers with knowledge on ISFM Adoption

19,637 Farmers using ISFM technologies 15,179 Ha cropped with ISFM technologies





Research Capacity Building Research & Development

Input Production & Distribution

3

Awareness Creation on Agriculture Transformation

Adoption

Production Postharvest & Marketing

1

13 PhDs funded in Plant Breeding

5 PhDs funded in agronomy

30 MScs funded in Crop Science

5 MScs funded in Soil Science

2

46 Varieties released

36 Varieties commercialized

11 Seed companies supported

6,966 MT of seed produced

5,250 Agro-dealers trained

119,327 MT Inorganic fertilizer sold by the agro-dealers

7,262 Lead farmers trained in ISFM

586 Extension agents trained in ISFM

2,684 FOs trained in ISFM

24 Lab technicians trained in plant and soil analysis

702,853 Farmers with knowledge on ISFM

73,982 Farmers trained on PHH, quality, storage and structured trading

77,415 Farmers trained in governance, group dynamics and leadership

239,966 Farmers using ISFM technologies

212,557 Ha Cropped with ISFM technologies

122,686 MTCommodity aggregated at a value of **US\$ 23.4M**

Policy

In **Ghana** the Node contributed to the development and approval by the Cabinet, Parliament and assent by the President of regulations to guide implementation of Plants and Fertilizer Act and National Fertilizer Policy. As a result, 39 fertilizer importing companies; 136 distributors; 1,295 fertilizer retailers and 105 fertilizer products were registered. Improvement in the capacity of fertilizer inspectors and quality of fertilizer offered for sale on the market, reduction in adulteration because of regular sampling and testing are evident.

Innovative Finance

SARI/CARD Lending Scheme worth **US\$ 100,000** leveraged **US\$ 300,000** that benefitted **4,500** smallholder farmers.

AGRA/MiDA/Stanbic Bank Lending Scheme worth US\$ 2.5 million leveraged US\$ 25M that benefitted 18,497 farmers and 7 agribusinesses.

2015 Achievements

Research Capacity
Building

2 Phd graduates on Crop Breeding 4 MSc students supported in Crop Science

Research & Development

4 Varieties released (maize)

Input Production & Distribution

984 MT Volume of seed produced **509 MT** Inorganic fertilizer sold by AGRA supported agrodealers

Awareness Creation on Agriculture Transformation

3480 Lead farmers trained in ISFM
272 Extension agents trained on ISFM
27,113 Farmers trained on PHH, quality, storage and structured trading
27,040 Farmers with knowledge on ISFM
30,936 Farmers trained in governance, group dynamics and leadership

Adoption

12,856 Farmers using ISFM technologies **8,655 Ha** Cropped with ISFM technologies

Production Postharvest & Marketing

17,771 MT Commodity aggregated at a value of **US\$ 5.1M**





Research **Capacity Building**

Research & **Development** **Input Production** & Distribution

Awareness Creation on Agriculture **Transformation**

4

Adoption

Production **Postharvest** & Marketing



20 PhDs funded in Plant Breeding

4 PhDs funded in agronomy

19 MScs funded in Crop Science

9 MScs funded in Soil Science

94 Varieties released

71 Varieties commercialized 3

5 Seed companies supported

23.737 MT of seed produced

5,087 Agrodealers trained

88,444 MT Inorganic fertilizer sold by the agrodealers

6.906 Lead farmers trained in ISFM

361 Extension agents trained in ISFM

2,069 FOs trained in ISFM

24 Lab technicians trained in plant and soil analysis

127.628 Farmers trained on PHH, quality, storage and structured trading

196.619 Farmers with knowledge on ISFM

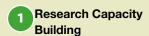
7.846 Farmers trained in governance, group dynamics and leadership **142,641** Farmers using ISFM technologies

102,616 Ha Cropped with ISFM technologies 85,878 MT Commodity aggregated at a value of US\$ 19.2M

Innovative Finance

AGRA/GOK/ Equity Bank Scheme worth **5,000,000** leveraged **50,000,000** that benefitted 43,775 smallholder farmers; 1,513 large scale farmers, and 407 agribusinesses.

2015 Achievements



2 PhD Graduates in Crop Breeding



4 Varieties released (1 maize; 3 cassava)

3 Varieties commercialized

Input Production & Distribution

1 Seed company supported by AGRA 2,672 MT Volume of seed produced 1,073 MT Inorganic fertilizer sold by AGRA supported agrodealers

Awareness Creation on Agriculture Transformation

129 Lead farmers trained in ISFM

125 Extension agents trained in ISFM

174 FOs trained on ISFM

18 Lab technicians trained

11,640 Farmers trained on PHH, quality, storage and structured trading

2,999 Farmers with knowledge on ISFM 163,082 Farmers trained in governance,

group dynamics and leadership

Adoption

26,790 Farmers using ISFM technologies 4,471 Ha Cropped with ISFM technologies



46,239 MT commodity aggregated at a value of US\$ 7.6M





Research Capacity Building Research & Development

Input Production & Distribution

Awareness
Creation on
Agriculture
Transformation

Adoption

Production
Postharvest
& Marketing



6 PhDs funded in Plant Breeding

3 PhDs funded in agronomy

16 MScs funded in Crop Science

12 MScs funded in Soil Science

31 Varieties released

20 Varieties commercialized

4 Seed companies supported

3

16,609 MT of seed produced

4,311 Agro-dealers trained

18,632 MT Inorganic fertilizer sold by the agro-dealers

2,241 Lead farmers trained in ISFM

894 Extension agents trained in ISFM

6 Lab technicians trained in ISFM

795 FOs trained on ISFM

594,457 Farmers with knowledge on ISFM

44,891 Farmers trained on PHH, quality, storage and structured trading

70,120 Farmers trained in governance, group dynamics and leadership

5

70,882 Farmers using ISFM technologies

53,446 Ha Cropped with ISFM

11,645 MT Commodity aggregated at a value of **US\$ 4.3M**

2015 Achievements

Research Capacity Building

- 1 PhD graduate in Crop Breeding
- 1 MSc supported in Crop Science



- 3 Varieties released (rice)
- 6 Varieties commercialized

Input Production & Distribution

3,403 MT Volume of seed produced **191 MT** Inorganic fertilizer sold by AGRA supported agrodealers

4 Awareness Creation on Agriculture Transformation

55 Lead farmers trained250 Extension agents trained on ISFM5,900 Farmers trained on PHH, quality, storage and structured trading92,649 Farmers with knowledge on ISFM

1,169 Farmers trained in governance, group dynamics and leadership

Adoption

6,462 Farmers using ISFM technologies **15,739 Ha** Cropped with ISFM technologies

Production Postharvest & Marketing

1,671 MT Commodity aggregated at a value of **US\$ 0.6M**





Research Capacity **Building**

Research & **Development** Input Production & Distribution

Awareness Creation on **Agriculture Transformation**

Adoption

Production **Postharvest** & Marketing



7 PhDs funded in Plant Breeding

4 PhDs funded in agronomy

17 MScs funded in Crop Science

12 MScs funded in Soil Science

66 Varieties released

28 Varieties commercialized 7 Seed companies supported

3

10.796 MT of seed produced

4,689 Agro-dealers trained

77,729 MT Inorganic fertilizer sold by the agro-dealers

3,441 Lead farmers trained in ISFM

450 Extension agents trained in ISFM

822 FOs trained on ISFM

25 Lab technicians trained in plant and soil analysis

768,980 Farmers with knowledge on ISFM

35,763 Farmers trained on PHH, quality, storage and structured trading

15,713 Farmers trained in governance, group dynamics and leadership **176,891** Farmers using ISFM technologies

272,164 Ha Cropped with ISFM technologies

15,549 MT Commodity aggregated at a value of US\$ 5.1M

Policy

In Mali the node contributed to development, validation and submission of legislation for Warehouse Receipt System for approval by relevant government authorities. It also contributed to the mapping and identification of postharvest facilities and areas for construction of new silos. WRS will improve farmers' bargaining power, access to market and credit.

Innovative Finance

Mission Sahel/Soro Yiriwaso Agrodealer Lending Scheme worth US\$ 0.160 leveraged US\$ 1.12M that benefitted 278

IER/Kafo Jiginew Microdose Lending Scheme worth US\$ 0.50 leveraged US\$ 4.5M that benefitted 6,655.

IER/Kafo Jiginew Maize intensification Lending Scheme worth US\$0.2 leveraged US\$ 1.2M that benefitted 10,000 smallholder farmers.

2015 Achievements

Research Capacity Building

3 MSc students supported in Crop Science

Research & Development

8 Varieties commercialized

Input Production & Distribution

3,123 MT Volume of seed produced 13,138 MT Inorganic fertilizer sold by AGRA supported agrodealers

Awareness Creation on Agriculture Transformation

21 Lead farmers trained in ISFM

60 Extension agents trained on ISFM

157 FOs trained on ISFM

8,465 Farmers trained on PHH, quality, storage and structured trading

8,000 Farmers with knowledge on ISFM **10,249** Farmers trained in governance,

group dynamics and leadership

Adoption

5,000 Farmers using ISFM technologies 9,000 Ha Cropped with ISFM technologies

Production Postharvest & Marketing

3,791 MT Commodity aggregated at a value of US\$ 1.7M



Mozambique

Grants: 98 Value of the Grants: US\$48.1m

Cummulative 2007-2015



Research Capacity Building Research & Development

Input Production & Distribution

3

Awareness Creation on Agriculture Transformation

Adoption

Production
Postharvest
& Marketing



6 PhDs funded in Plant Breeding

21 MScs funded in Crop Science

21 MScs funded in Soil Science

45 Varieties released

37 Varieties commercialized

7 Seed companies supported a total volume of 12,665 MT of seed produced

1,114 Agro-dealers trained

59,981 MT Inorganic fertilizer sold by the agro-dealers

8,126 Lead farmers trained in ISFM

1,510 Extension agents trained in ISFM

3,309 FOs trained on ISFM

5 Lab technicians trained in plant and soil analysis

649,247 Farmers with knowledge on ISFM

92,217 Farmers trained on PHH, quality, storage and structured trading

122,099 Farmers trained in governance, group dynamics and leadership

185,445 Farmers using ISFM technologies

164,905 Ha Cropped with ISFM technologies

37,283 MT Commodity aggregated at a value of **US\$ 14.1M**

Policy

In **Mozambique** the Node contributed to changes and approval by Council of Ministers, National Seed Committee and Sub-Committee of Registration and Release of Varieties in regulations and administrative procedures to operationalize the seed and plant variety protection laws. This resulted in an increase in seed companies from 35 to 45 in 2012 and 2015, respectively. Of these, 32 mostly small to medium-sized seed companies were licensed by the Seed Department to produce and market seed. There is an upward trend in foundation and certified seed production with more than 20% of estimated 9,000 MT seed of improved varieties annually planted by farmers from commercial sources.

Innovative Finance

AGRA/CEPAGRI/Standard Bank Mozambique Lending Scheme worth US\$ 2.5M leveraged US\$ 25M that benefitted 4,450 smallholder farmers.

2015 Achievements

Research Capacity
Building

1 MSc Student supported in Crop Science

Research & Development

1 Variety released (rice)

1 Variety commercialized

Input Production & Distribution

854 MT Volume of seed produced **20,803 MT** Inorganic fertilizer sold by AGRA supported agrodealers

Awareness Creation on Agriculture Transformation

370 Lead farmers trained268 Extension agents trained on ISFM34,093 Farmers trained on PHH, quality, storage, structured trading6,001 Farmers with knowledge on ISFM

30,704 Farmers trained in governance, group dynamics and leadership

Adoption

4,000 Farmers using ISFM technologies **9,000 Ha** Cropped with ISFM technologies

Production Postharvest
& Marketing

5,285 MT Commodity aggregated at a value of **US\$ 2.0M**





Research **Capacity Building**

Research & **Development** Input Production & Distribution

Awareness Creation on Agriculture **Transformation**

Adoption

Production **Postharvest** & Marketing



9 PhDs funded in Plant Breeding

3 PhDs funded in agronomy

14 MScs funded in Crop Science

9 MScs funded in Soil Science

31 Varieties released

20 Varieties commercialized

5 Seed companies supported

3

9,596 MT of seed produced

1,014 Agro-dealers trained

15,663 MT Inorganic fertilizer sold by the agro-dealers

40 Lead farmers trained in ISFM

293 Extension agents trained in ISFM

28 Lab technicians trained in ISFM

257 FOs trained on ISFM

135.060 Farmers with knowledge on ISFM

12,025 Farmers trained on PHH, quality, storage and structured trading

5,303 Farmers trained in governance, group dynamics and leadership 101,953 Farmers using ISFM technologies

57,148 Ha Cropped with ISFM

1,570 MT Commodity aggregated at a value of US\$ 817,640

Innovative Finance

INRAN/BAGRI Microdose Lending Scheme valued at **US\$ 100,000** leveraged **US\$ 600,000** that benefited 6,000 smallholder farmers.

2015 Achievements



2 PhD graduates in Crop Breeding

3 MSc students supported in Crop Science (2) and Soil Science (1)

5 MSc graduates in Crop Science

Input Production & Distribution

3,241 MT Volume of seed produced 6,627 MT Inorganic fertilizer sold by AGRA supported agrodealers

Awareness Creation on Agriculture Transformation

200 Extension agents trained on ISFM 10,927 Farmers trained on PHH, quality, storage and structured trading 10,000 Farmers with knowledge on ISFM 291 Farmers trained in governance, group dynamics and leadership

Adoption

1,000 Farmers using ISFM technologies 1,107 Ha Cropped with ISFM technologies

Production Postharvest & Marketing

1,171 MT Commodity aggregated at a value of **US\$ 0.6M**





Research Capacity Building Research & Development

Input Production & Distribution

3

Awareness Creation on Agriculture Transformation

4

Adoption



15 PhDs funded in Plant Breeding

5 PhDs funded in agronomy

23 MScs funded in Crop Science

2 MScs funded in Soil Science

(2)

19 Varieties released

11 Varieties commercialized

6 Seed companies supported

75,622 MT of seed produced

4,132 Agro-dealers trained

51,867 MT Inorganic fertilizer sold by the agro-dealers

4,850 Lead farmers trained in ISFM

596 Extension agents trained in ISFM

34 Lab technicians trained in ISFM

1,241 FOs trained on ISFM

126,800 Farmers with knowledge on ISFM

(5)

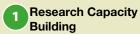
99,881 Farmers using ISFM technologies

61,638 Ha Cropped with ISFM technologies

Innovative Finance

Nigeria Incentive-Based Risk Sharing System for Agricultural Lending (NIRSAL) valued at US\$ 300M leveraged US\$ 3 Billion

2015 Achievements



1 PhDs graduate in Crop Breeding

2 MSc students supported in Crop Science



2 Varieties released (maize)

6 Varieties commercialized

Input Production & Distribution

10,188 MT Volume of seed produced **132 MT** Inorganic fertilizer sold by AGRA supported agrodealers

Awareness Creation on Agriculture Transformation

50 Lead farmers trained240 Extension agents trained on ISFM14,500 Farmers with knowledge on ISFM

Adoption

7,000 Farmers using ISFM technologies **7,503 Ha** Cropped with ISFM technologies





Research Capacity **Building**

Input Production & Distribution

Awareness Creation on Agriculture **Transformation**

Adoption

Production **Postharvest** & Marketing

7 PhDs funded in Plant Breeding

1 PhD funded in agronomy

12 MScs funded in Crop Science

14 MScs funded in Soil Science

(3)

4 seed companies supported

3,039 MT of seed produced

307 Agro-dealers trained

51,811 MT Inorganic fertilizer sold by the agrodealers

404 Extension agents trained in ISFM

4

6 Lab technicians trained in **ISFM**

1,904 FOs trained in ISFM

351,504 Farmers with knowledge on ISFM

71,642 Farmers trained on PHH, quality, storage, structured trading

169,733 Farmers trained in governance, group dynamics and leadership

84,256 Farmers using ISFM technologies

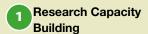
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50,130 Ha Cropped with ISFM technologies

63,664 MT Commodity aggregated at a value of US\$ 21M

6

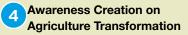
2015 Achievements



- 1 PhD graduate in Crop Breeding
- 1 MSc graduate in Crop Science

3 Input Production & Distribution

166 MT Volume of seed produced **28,231 MT** inorganic fertilizer sold by AGRA supported agrodealers



90 Lead farmers trained

270 Extension agents trained on ISFM 999 Farmers with knowledge on ISFM Adoption

3,060 Farmers using ISFM technologies 1,000 Ha Cropped with ISFM technologies

Production Postharvest & Marketing

4,704 MT Commodity aggregated at a value of US\$ 1.0M



Tanzania

Value of the Grants: US\$51.29m

Cummulative 2007-2015



Research **Capacity Building**

Research & **Development** Input Production & Distribution

3

Awareness Creation on **Agriculture Transformation**

4

Adoption

Production Postharvest & Marketing

11 PhDs funded in Plant Breeding

3 PhDs funded in agronomy

16 MScs funded in Crop Science

11 MScs funded in Soil Science

42 Varieties

29 Varieties

commercialized

15 Seed companies released supported

35,046 MT of seed produced

6,748 Agrodealers trained

762,761 MT inorganic fertilizer sold by the agrodealers

4,560 lead farmers trained in ISFM

1,131 extension agents trained in ISFM

1,174 FOs trained in ISFM

19 Lab technicians trained in plant and soil analysis.

735,687 Farmers with knowledge on ISFM

108,129 Farmers trained on PHH, quality, storage and structured trading

28,188 Farmers trained in governance, group dynamics and leadership **227,752** farmers using ISFM technologies

149,895 Ha cropped with ISFM technologies 22,911 MT commodity aggregated at a value of US\$ 48.2M

66 Aggregation centres

Policy

In **Tanzania** the Node contributed to generating evidence on the performance of fertilizer subsidy voucher scheme for efficiency, equity, impact on fertilizer use. productivity and crop incomes. The Government re-introduced NAIVS in 2015/2016 and replaced it with a loan to farmers' credit groups together with an improved version incorporating recommendation to replace local government appointment of agro-dealers with suppliers appointing own agents to distribute and sell inputs through the voucher system. This improved the implementation of the fertilizer subsidy program and allowed fertilizer use by farmers to bounce back to the pre-2014/2015 levels ensuring that subsidy vouchers are used for inputs' purchase only.

Innovative Finance

AGRA/Kilimo Trust/Stanbic Tanzania Lending Scheme worth US\$ 2.5M that leveraged US\$ 25M benefitted 52,465 smallholder farmers and 20 agribusinesses.

AGRA/FSDT/NMB Bank Lending Scheme worth US\$ 2.1M that leveraged US\$ 10M benefitted **1,055** agrodealers.

Ari-Uyole ISFM Project Revolving Fund worth US\$ 50,000 that leveraged US \$100,000 benefitted 2,000 farmers.

2015 Achievements



1 PhD graduate in Crop Breeding

3 MSc students supported in Crop Science

Input Production & Distribution

3,351 MT Volume of seed produced **4.091 MT** Inorganic fertilizer sold by AGRA supported agrodealers



1,416 Lead farmers trained in ISFM

343 Extension agents trained on ISFM

157 FOs trained on ISFM

19,677 Farmers trained on PHH, quality, storage and structured trading

22,448 Farmers with knowledge on ISFM 13,997 Farmers trained in governance, group dynamics and leadership

Adoption

17,169 Farmers using ISFM technologies 16,932 Ha Cropped with ISFM technologies

Production Postharvest & Marketing

7,838 MT Commodity aggregated at a value of US\$ 2.1M



4 Varieties released (3 cassava, 1 maize)

9 Varieties commercialized





Research Capacity **Building**

Research & **Development** Input Production & Distribution

Awareness Creation on Agriculture **Transformation**

4

Adoption

Production **Postharvest** & Marketing



18 PhDs funded in Plant Breeding

2 PhDs funded in agronomy

24 MScs funded in Crop Science

10 MScs funded in Soil Science

59 Varieties released

56 Varieties commercialized 7 Seed companies supported

3

99,369 MT of seed produced

1,405 Agro-dealers trained

1,322 MT Inorganic fertilizer sold by the agro-dealers

3,506 Lead farmers trained in ISFM

203 Extension agents trained on ISFM

24 Lab technicians trained in ISFM

1.904 FOs trained on ISFM

221.471 Farmers with knowledge on ISFM

45,280 Farmers trained on PHH, quality, storage and structured trading

132,419 Farmers using ISFM technologies

67,828 Ha Cropped with ISFM technologies 410,070 MT Commodity aggregated at a value of US\$ 244.7m

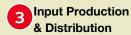
Innovative Finance

AGRA/Kilimo Trust/Stanbic Lending Scheme worth .5M leveraged US\$25M that benefitted 50,928 farmers and 66 agribusinesses.

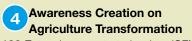
2015 Achievements



2 Varieties commercialized



34,678 MT Volume of seed produced 885 MT Inorganic fertilizer sold by AGRA supported agrodealers



100 Extension agents trained on ISFM 10,139 Farmers with knowledge on ISFM



1,500 Farmers using ISFM technologies 1,111 Ha Cropped with ISFM technologies

Production Postharvest & Marketing

123,283 MT Commodity aggregated at a value of US\$ 81.1M





Research Capacity Building Research & Development

Input Production & Distribution

Awareness
Creation on
Agriculture
Transformation

Adoption

Production
Postharvest
& Marketing

1

7 PhDs funded in Plant Breeding

- **4** PhDs funded in agronomy
- **14** MScs funded in Crop Science
- **10** MScs funded in Soil Science

2

13 Varieties released

8 Varieties commercialized

4 Seed companies supported

3

19,188 MT of seed produced

1,797 Agro-dealers trained

27,571 MT Inorganic fertilizer sold by the agro-dealers

1,066 Lead farmers trained in ISFM

197 Extension agents trained in ISFM

21 Lab technicians trained in ISFM

575 FOs trained on ISFM

93,100 Farmers with knowledge on ISFM

26,796 Farmers trained on PHH, quality, storage and structured trading

82,711 Farmers trained in governance, group dynamics and leadership

5

59,603 Farmers using ISFM technologies

38,538 Ha Cropped with ISFM technologies

11,198 MT Commodity aggregated at a value of **US\$ 4M**

2015 Achievements

Research Capacity
Building

2 MSc supported in Crop Science

Research & Development

4 Varieties commercialized

Input Production & Distribution

8,654 MT Volume of seed produced **68 MT** Inorganic fertilizer sold by AGRA supported agrodealers

Awareness Creation on Agriculture Transformation

50 Lead farmers trained100 Extension agents trained on ISFM3,528 Farmers trained on PHH, quality, storage and structured trading

20,000 Farmers with knowledge on ISFM **63,052** Farmers trained in governance, group dynamics and leadership

Adoption

2,000 farmers using ISFM technologies **500 Ha** cropped with ISFM technologies

Production Postharvest & Marketing

921 MT Commodity aggregated at a value of **US\$ 0.42m**

Other Countries

1. Senegal

Grants: 8

Value of the grants: **US\$ 3.8 million**

2. Liberia

Grants: 7

Value of the grants: US\$ 915,079

Farmers using improved seeds: 107,107

Cummulative 2007-2015

Research Capacity Building	Input I & Dist
9 MSc students	3 Seed
enrolled in Crop	compa
Science	suppor
9 MSc graduates in	994 M
Crop Science	produc

Input Production & Distribution

3 Seed companies supported **994 MT** of seed produced

3. Sierra Leone

Grants: 6

Value of the grants: US\$ 636,039

Farmers using improved seeds: **56,732**

Cummulative 2007-2015

Research Capacity Building	Research & Development	Input Production & Distribution
8 MSc students enrolled in Crop Science 8 MSc graduates in Crop Science	16 Varieties released: Cassava (8) Rice (8) 12 Varieties disseminated	3 Seed companies supported 230 MT of seed produced

4. South Sudan

Grants: 22

Value of the grants: **US\$ 3.6 million**

Farmers using improved seeds: 279,847

Cummulative 2007-2015

Research Capacity Building	Research & Development	Input Production & Distribution
1 PhD enrolled in Plant Breeding 8 MSc students enrolled in crop science	19 Varieties released: Rice (4) Maize (9) Sorghum (3) Cassava (3) 5 Varieties disseminated	6 Seed companies supported 1,199 MT of seed produced



